

Converting Colors

$Yxy(39.8234, 0.2574, 0.3135)$

Have a look what the booklet for
Yxy(39.8234, 0.2574, 0.3135)
contains.

Yxy(39.6709, 0.2569, 0.3125)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.6709, 0.2569, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	74B3BE
RGB	116, 179, 190
RGB Percent	45%, 70%, 75%
CMY	0.5453, 0.2980, 0.2548
CMYK	0.39, 0.06, 0.00, 0.25
HSL	189°, 36%, 60%
HSV	189°, 39%, 75%
XYZ	32.6127, 39.6709, 54.6633
YIQ	161.4170, -41.0790, -9.9350

Conversions

Conversions Part 2

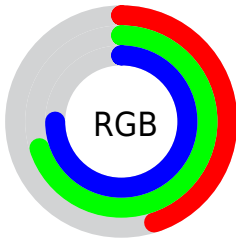
Format	Color
RYB	116, 150, 190
Decimal	7648190
CIELab	69.23, -17.35, -12.00
CIElCh	69, 21.094, 214.670
Yxy	39.6709, 0.2569, 0.3125
Android (android.graphics.Color)	4285838270 (0xFF74B3BE)
YUV	161.4170, 14.0914, -39.8307
Hunter-Lab	62.9848, -17.7987, -7.3673

Details

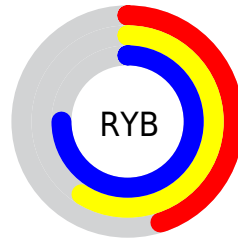
The Yxy color **39.6709, 0.2569, 0.3125** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3758, 0.4024, 0.3446**, and the grayscale version is **35.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7284, 0.2674, 0.3164**, and **17.7520, 0.2404, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **37.3810, 0.2451, 0.3076**, and if you desaturate by 10%, it is **42.2533, 0.2700, 0.3172**.

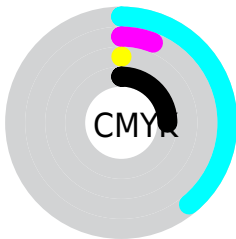
Distribution



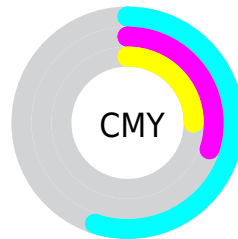
- Red (45%)
- Green (70%)
- Blue (75%)



- Red (45%)
- Yellow (59%)
- Blue (75%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)




- Cyan (55%)
- Magenta (30%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6709, 0.2569, 0.3125 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 39.6709, 0.2569, 0.3125 by changing the saturation by 10% instead.


 39.6709, 0.2569,
0.3125


 39.6709, 0.2569,
0.3125


344.7345, 0.2850,
0.3215

 27.2820, 0.2498,
0.3100


 74.6621, 0.2672,
0.3160

 17.7852, 0.2408,
0.3067


 98.0333, 0.2710,
0.3172

 10.7959, 0.2287,
0.3019


 125.8340, 0.2742,
0.3182

 5.9297, 0.2119,
0.2949

158.4486, 0.2770,
0.3191

 2.8024, 0.1871,
0.2833

196.2616, 0.2794,
0.3198

 1.0295, 0.1404,
0.2636

239.6573, 0.2815,

 0.0000, 0.0000,

0.3205

0.0000

289.0201, 0.2834,
0.3210

■ 39.6709, 0.2569,
0.3125

■ 39.6709, 0.2569,
0.3125

■ 37.3810, 0.2451,
0.3076

■ 42.2533, 0.2700,
0.3172

■ 35.3626, 0.2348,
0.3025

■ 45.1388, 0.2842,
0.3216

■ 33.5989, 0.2262,
0.2972

■ 48.3427, 0.2990,
0.3256

■ 32.0691, 0.2196,
0.2920

■ 51.8784, 0.3143,
0.3294

■ 30.7488, 0.2149,
0.2867

■ 55.7579, 0.3297,
0.3327

■ 29.5960, 0.2117,
0.2816

■ 59.9931, 0.3450,
0.3357

■ 29.4823, 0.2114,
0.2810

■ 64.5948, 0.3600,
0.3384

■ 67.0323, 0.3642,
0.3412

■ 68.3661, 0.3635,
0.3440

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6709, 0.2724, 0.3420



39.6709, 0.2569, 0.3125



39.6709, 0.2555, 0.2897

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.6709, 0.2569, 0.3125



39.6709, 0.3246, 0.2934



39.6709, 0.3574, 0.3813

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.6709, 0.2569, 0.3125



27.3758, 0.4024, 0.3446

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.6709, 0.3731, 0.3650



39.6709, 0.2569, 0.3125



39.6709, 0.3538, 0.3150

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.6709, 0.2569, 0.3125



39.6709, 0.2933, 0.2802



39.6709, 0.3719, 0.3407



39.6709, 0.3300, 0.3835

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.6709, 0.2569, 0.3125



39.6709, 0.2627, 0.2808



39.6709, 0.3719, 0.3407



39.6709, 0.3643, 0.3772

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.6725, 0.2569, 0.3125



85.6562, 0.2942, 0.3244



42.0459, 0.3007, 0.4305



18.6389, 0.2922, 0.3238



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.6725, 0.2569, 0.3125



68.2051, 0.2464, 0.3082



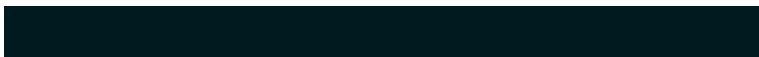
27.1045, 0.2484, 0.2557



10.5613, 0.2985, 0.3255



19.6904, 0.2116, 0.2817



0.8380, 0.2150, 0.2941

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.6829, 0.3291, 0.2465



41.8135, 0.3337, 0.2291



38.3533, 0.3832, 0.3924



9.6712, 0.3160, 0.3097



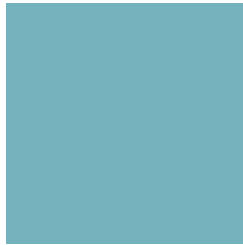
9.0174, 0.3619, 0.1767



0.3600, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 39.6709, 0.2569, 0.3125 looks on a white background.

Color Contrast Check

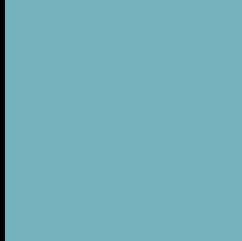
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 39.6709, 0.2569, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

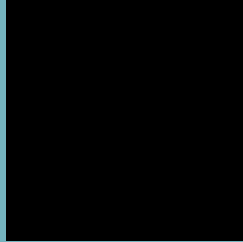
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

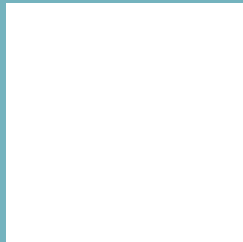
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6709, 0.2569, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 39.6709, 0.2569, 0.3125.



This preview shows how white text looks on a background with the Yxy color 39.6709, 0.2569, 0.3125.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.6709, 0.2569, 0.3125

Protanopia

39.2718, 0.2994, 0.3070

Deuteranopia

39.2854, 0.2965, 0.2903



Tritanopia

39.8724, 0.2557, 0.3082

Trichromacy



Original Color

39.6709, 0.2569, 0.3125

Protanomaly

38.9669, 0.2813, 0.3075

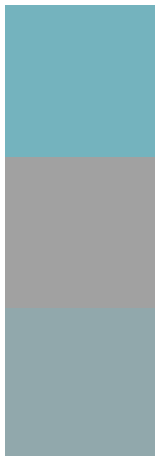
Deuteranomaly

38.8571, 0.2799, 0.2967

Tritanomaly

39.8279, 0.2563, 0.3097

Monochromacy



Original Color

39.6709, 0.2569, 0.3125

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0036, 0.2892, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6709, 0.2569, 0.3125 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 179, 190)` looks like.

```
.text, #text, p{  
    color:rgb(116, 179, 190)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 179, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 179, 190) }
```

Border

The CSS property to change the border of an element to Yxy 39.6709, 0.2569, 0.3125 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 179, 190) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 179, 190) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 179, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 179, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 179, 190);  
box-shadow:4px 4px 4px 4px rgb(116, 179,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6709, 0.2569, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 179, 190) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
179, 190) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor